

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1	("4,879,168").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 10:19
L5	8	(US-20070209307-\$ or US-20030008586-\$).did. or (US-5642601-\$ or US- 5432000-\$ or US- 5858530-\$ or US- 5516580-\$ or US- 4160059-\$ or US- 5418031-\$).did.	US-PGPUB; USPAT	OR	ON	2008/07/24 10:43
L6	3	5 and (hollow and crimp \$)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 10:43
L7	2	5 and borax	US-PGPUB; USPAT	OR	ON	2008/07/24 11:13
L8	15	(insulation) and (natural or cellulosic) and ((synthetic or thermoplastic) same length) and (hollow) and (crimp\$ same helical\$)	US-PGPUB; USPAT	OR	ON	2008/07/24 11:46
L9	1	("4,590,114").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 11:49
L10	19	(insulation) and ((synthetic or thermoplastic) same length) and (hollow) and (crimp\$ same helical\$)	US-PGPUB; USPAT	OR	ON	2008/07/24 12:14
L11	4	10 not 8	US-PGPUB; USPAT	OR	ON	2008/07/24 12:14
L12	95	(insulation) and (synthetic or thermoplastic) and (hollow) and (crimp\$ same (spiral\$ or helical \$))	US-PGPUB; USPAT	OR	ON	2008/07/24 12:15
L13	76	12 not 10	US-PGPUB; USPAT	OR	ON	2008/07/24 12:15

L14	2	(insulation) and ((synthetic or thermoplastic) same hollow same (crimp\$ same (spiral\$ or helical \$)))	US-PGPUB; USPAT	OR	ON	2008/07/24 12:21
L15	8	(insulation) and (polyester same hollow same (crimp\$ same (spiral\$ or helical\$)))	US-PGPUB; USPAT	OR	ON	2008/07/24 12:21
L17	561	(springy same helical\$)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 12:38
L18	177	(springy with helical\$)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 12:38
L19	6	(springy with helical\$ with crimp\$)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 12:38
L20	51	(insulation) and (polyester same (crimp\$ same (spiral\$ or helical \$)))	US-PGPUB; USPAT	OR	ON	2008/07/24 12:40
L21	1	("4,618,531").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 12:40
L22	38	("4618531").URPN.	USPAT	OR	ON	2008/07/24 12:41
L24	9	(insulation) and (polyester same (spiral \$crimp\$ or helical\$crimp \$))	US-PGPUB; USPAT	OR	ON	2008/07/24 12:44
L26	19	22 and thermal	USPAT	OR	ON	2008/07/24 13:24
L27	3	26 and (spiral\$ or helical \$) and hollow	USPAT	OR	ON	2008/07/24 13:24
L28	210	(thermal same insulat\$3) and (crimp\$ same (spiral \$ or helical\$)) and (hollow or tubular)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 13:34
L29	80	(thermal same insulat\$3) and (crimp\$ same (spiral \$ or helical\$)) and (hollow or tubular) and (natural or cellulosic)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 13:34

L30	1	("5770309").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 13:36
L31	7	(thermal same insulat\$3) and (polyester same crimp\$ same helical\$)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 13:44
L32	28	(thermal same insulat\$3) and ((synthetic or thermoplastic) same crimp\$ same helical\$)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 13:45
L33	9	(US-20070209307-\$ or US-20030008586-\$).did. or (US-5642601-\$ or US- 5432000-\$ or US- 5858530-\$ or US- 5516580-\$ or US- 4160059-\$ or US- 5418031-\$ or US- 4618531-\$).did.	US-PGPUB; USPAT	OR	ON	2008/07/24 13:48
L34	3	33 and (helical\$ or spiral \$)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 13:48
L35	7	(thermal adj insulation) and (helically adj crimped)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 14:03
L36	911	442/327.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 14:53
L39	57	36 and bicomponent and crimp\$ and (natural or cellulosic)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/24 14:54
S1	1	("20070209307").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/23 18:30
S2	3	("5516580"   "5554238"   "5642601").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 18:32
S3	189	(andersen-car\$).in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 18:36
S4	68	(andersen-carst\$).in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 18:36
S5	68	(andersen-carste\$).in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 18:36

S6	3	S5 and (fire or flame)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 18:36
S7	2	S5 and insulation	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 18:38
S8	1	insulation and (cellulose or natural) and (synthetic same crimp\$ same hollow\$) and (bicomponent) and (borax\$ or boric or (ammonium same sulphate) or (aluminum same sulphate))	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 20:08
S9	3	(cellulose or natural) and (synthetic same crimp\$ same hollow\$) and (bicomponent) and (borax\$ or boric or (ammonium same sulphate) or (aluminum same sulphate))	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 20:08
S10	4	(cellulose or natural) and (synthetic same crimp\$ same hollow\$) and (bicomponent) and ((fire or flame) same (retard \$))	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 20:09
S11	8	(cellulose or natural) and (synthetic same crimp\$) and hollow\$ and (bicomponent) and ((fire or flame) same (retard \$))	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 20:11
S12	6	("20030008586"   "5055341"   "5272000"   "5667882"   "5883023"   "6251224").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 20:24
S13	58	("2483405"   "2689199"   "2695855"   "4237180"   "4302499"   "4358502"   "4474846"   "4524040"   "4529644"   "4547421"   "4568581"   "4574108"   "4612238"   "4637951"   "4643940"   "4695503"   "4765812"   "4826724").PN. OR ("5272000").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 20:26

S14	32	("4160059"   "4692363"   "4795668"   "5023131"   "5167764"   "5240764"   "5272000"   "5380580"   "5418031").PN. OR ("5516580").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/23 20:32
-----	----	---	------------------------------	----	----	---------------------

7/ 24/ 2008 3:02:43 PM

C:\ Documents and Settings\ pchoi1\ My Documents\ EAST\ Workspaces\ 10.577598.  
wednesdayjuly23.wsp